



# Energy savings, extra long life, extra low mercury

## Energy Advantage Extra Long Life T8

Philips Energy Advantage T8 Extra Long Life lamps are an industry first. These lamps offer high energy savings and have extra long life.

### Benefits

- Save \$32 in energy costs over the rated average life of the lamp\*\* when compared to a standard 32W T8 lamp
- Operates on any Instant Start and Programmed Start ballast\*\*\*
- Significantly reduce maintenance and recycling costs by extending the relamping cycle
- Reduced impact on the environment without sacrificing performance
- <SUP>\*\*When comparing Philips Energy Advantage T8 32W with 2400 lumens to a 4' industry standard 32W lamp with 2850 lumens. Based on wattage savings (7W) x rated average life (46,000 hours) x kWh rate (\$.10). </SUP>
- <SUP>\*\*\*Starting voltage must be equal to or greater than 550V. These lamps should not be used where the temperature in fixture is below 70°F. Striations may occur where air movement is present in fixture. For best operation, use ballast with anti-striation circuitry.</SUP>

### Features

- Save 7 watts per lamp instantly when comparing an Energy Advantage T8 25W to a standard 32W T8 lamp
- Only 1.7mg of mercury with ALTO II Technology
- Significantly reduce maintenance and recycling costs by extending the relamping cycle
- Available in multiple color temperatures: 3000K, 3500K, 4100K, and 5000K

### Application

- Ideal for applications where energy savings and longer relamp cycles would be beneficial.

# Energy Advantage Extra Long Life T8

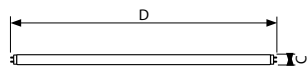
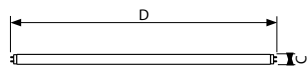
## Versions



G13, T8

T8 ALTO

## Dimensional drawing



Product
F32T8/ADV835/XLL ALTO 25W
F32T8/ADV830/XLL/ALTO 28W
F32T8/ADV850/XLL/ALTO 28W 30/1
F32T8/ADV841/X LL ALTO 25W
F32T8/ADV835/XLL/ALTO 28W
F32T8/ADV841/XLL/ALTO 28W 30/1
F32T8/ADV850/X LL ALTO 25W

Product
F32T8/ADV841/2XL/ALTO II 28W 30PK
F32T8/ADV830/2XL/ALTO II 28W 30PK
F32T8/ADV830/2XL/ALTO II 25W 30PK
F32T8/ADV835/2XL/ALTO II 28W 30PK
F32T8/ADV841/2XL/ALTO II 25W 30PK
F32T8/ADV835/2XL/ALTO II 30PK
F32T8/ADV850/2XL/ALTO II 25W 30PK
F32T8/ADV841/2XL/ALTO II 30PK
F32T8/ADV835/2XL/ALTO II 25W 30PK
F32T8/ADV850/2XL/ALTO II 30PK
F32T8/ADV850/2XL/ALTO II 28W 30PK

Approval and Application	
Energy Saving Product	Energy Saving
Mercury (Hg) Content (Nom)	1.7 mg
General Information	
Cap-Base	G13
Mechanical and Housing	
Bulb Shape	T-8 (T8)

# Energy Advantage Extra Long Life T8

## Approval and Application

Order Code	Full Product Name	Picogram Per Lumen Hour
927852583603	F32T8/ADV835/XLL ALTO 25W	20 pg/lm.h
927852584204	F32T8/ADV841/X LL ALTO 25W	20 pg/lm.h
927852585103	F32T8/ADV850/X LL ALTO 25W	21 pg/lm.h
927871183102	F32T8/ADV830/XLL/ALTO 28W	18 pg/lm.h
927871183602	F32T8/ADV835/XLL/ALTO 28W	18 pg/lm.h
927871184202	F32T8/ADV841/XLL/ALTO 28W 30/1	18 pg/lm.h
927871185102	F32T8/ADV850/XLL/ALTO 28W 30/1	19 pg/lm.h
927853083601	F32T8/ADV835/2XL/ALTO II 30PK	-
927853084201	F32T8/ADV841/2XL/ALTO II 30PK	-

Order Code	Full Product Name	Picogram Per Lumen Hour
927853085001	F32T8/ADV850/2XL/ALTO II 30PK	-
927853283101	F32T8/ADV830/2XL/ALTO II 28W 30PK	-
927853283601	F32T8/ADV835/2XL/ALTO II 28W 30PK	-
927853284201	F32T8/ADV841/2XL/ALTO II 28W 30PK	-
927853285001	F32T8/ADV850/2XL/ALTO II 28W 30PK	-
927853483101	F32T8/ADV830/2XL/ALTO II 25W 30PK	-
927853483601	F32T8/ADV835/2XL/ALTO II 25W 30PK	-
927853484201	F32T8/ADV841/2XL/ALTO II 25W 30PK	-
927853485001	F32T8/ADV850/2XL/ALTO II 25W 30PK	-

## Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
927852583603	F32T8/ADV835/XLL ALTO 25W	25 W
927852584204	F32T8/ADV841/X LL ALTO 25W	25 W
927852585103	F32T8/ADV850/X LL ALTO 25W	25 W
927871183102	F32T8/ADV830/XLL/ALTO 28W	28 W
927871183602	F32T8/ADV835/XLL/ALTO 28W	28 W
927871184202	F32T8/ADV841/XLL/ALTO 28W 30/1	28 W
927871185102	F32T8/ADV850/XLL/ALTO 28W 30/1	28 W
927853083601	F32T8/ADV835/2XL/ALTO II 30PK	32 W
927853084201	F32T8/ADV841/2XL/ALTO II 30PK	32 W

Order Code	Full Product Name	Power (Rated) (Nom)
927853085001	F32T8/ADV850/2XL/ALTO II 30PK	32 W
927853283101	F32T8/ADV830/2XL/ALTO II 28W 30PK	28 W
927853283601	F32T8/ADV835/2XL/ALTO II 28W 30PK	28 W
927853284201	F32T8/ADV841/2XL/ALTO II 28W 30PK	28 W
927853285001	F32T8/ADV850/2XL/ALTO II 28W 30PK	28 W
927853483101	F32T8/ADV830/2XL/ALTO II 25W 30PK	25 W
927853483601	F32T8/ADV835/2XL/ALTO II 25W 30PK	25 W
927853484201	F32T8/ADV841/2XL/ALTO II 25W 30PK	25 W
927853485001	F32T8/ADV850/2XL/ALTO II 25W 30PK	25 W

## General Information

Order Code	Full Product Name	Life 12-Hr Instant	Life 12-Hr Programstart	Life 3-Hr Instant	Life 3-Hr Program
		Start [Hrs]	[Hrs]	Start [Hrs]	Start [Hrs]
927852583603	F32T8/ADV835/XLL ALTO 25W	46000 h	52000 h	40000 h	46000 h
927852584204	F32T8/ADV841/X LL ALTO 25W	46000 h	52000 h	40000 h	46000 h
927852585103	F32T8/ADV850/X LL ALTO 25W	46000 h	52000 h	40000 h	46000 h
927871183102	F32T8/ADV830/XLL/ ALTO 28W	46000 h	52000 h	40000 h	46000 h
927871183602	F32T8/ADV835/XLL/ ALTO 28W	46000 h	52000 h	40000 h	46000 h
927871184202	F32T8/ADV841/XLL/ ALTO 28W 30/1	46000 h	52000 h	40000 h	46000 h
927871185102	F32T8/ADV850/XLL/ ALTO 28W 30/1	46000 h	52000 h	40000 h	46000 h
927853083601	F32T8/ADV835/2XL/ ALTO II 30PK	52000 h	70000 h	46000 h	60000 h
927853084201	F32T8/ADV841/2XL/ ALTO II 30PK	52000 h	70000 h	46000 h	60000 h

Order Code	Full Product Name	Life 12-Hr Instant	Life 12-Hr Programstart	Life 3-Hr Instant	Life 3-Hr Program
		Start [Hrs]	[Hrs]	Start [Hrs]	Start [Hrs]
927853085001	F32T8/ADV850/2XL/ ALTO II 30PK	52000 h	70000 h	46000 h	60000 h
927853283101	F32T8/ADV830/2XL/ ALTO II 28W 30PK	68000 h	90000 h	60000 h	80000 h
927853283601	F32T8/ADV835/2XL/ ALTO II 28W 30PK	68000 h	90000 h	60000 h	80000 h
927853284201	F32T8/ADV841/2XL/ ALTO II 28W 30PK	68000 h	90000 h	60000 h	80000 h
927853285001	F32T8/ADV850/2XL/ ALTO II 28W 30PK	68000 h	90000 h	60000 h	80000 h
927853483101	F32T8/ADV830/2XL/ ALTO II 25W 30PK	68000 h	90000 h	60000 h	80000 h
927853483601	F32T8/ADV835/2XL/ ALTO II 25W 30PK	68000 h	90000 h	60000 h	80000 h
927853484201	F32T8/ADV841/2XL/ ALTO II 25W 30PK	68000 h	90000 h	60000 h	80000 h
927853485001	F32T8/ADV850/2XL/ ALTO II 25W 30PK	68000 h	90000 h	60000 h	80000 h

## Light Technical

## Energy Advantage Extra Long Life T8

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Design Mean Lumens	Luminous Flux (Nom)
927852583603	F32T8/ADV835/XLL ALTO 25W	Advantage 835	Advantage 835	3500 K	85	2330 lm	2400 lm
927852584204	F32T8/ADV841/X LL ALTO 25W	Advantage 841	Advantage 841	4100 K	85	2330 lm	2400 lm
927852585103	F32T8/ADV850/X LL ALTO 25W	Advantage 850	Advantage 850	5000 K	85	2280 lm	2350 lm
927871183102	F32T8/ADV830/XLL/ALTO 28W	Advantage 830	Advantage 830	3000 K	85	2595 lm	2675 lm
927871183602	F32T8/ADV835/XLL/ALTO 28W	Advantage 835	Advantage 835	3500 K	85	2595 lm	2675 lm
927871184202	F32T8/ADV841/XLL/ALTO 28W 30/1	Advantage 841	Advantage 841	4100 K	85	2595 lm	2675 lm
927871185102	F32T8/ADV850/XLL/ALTO 28W 30/1	Advantage 850	Advantage 850	5000 K	85	2545 lm	2625 lm
927853083601	F32T8/ADV835/2XL/ALTO II 30PK	835	Advantage 835	3500 K	84	2800 lm	2950 lm
927853084201	F32T8/ADV841/2XL/ALTO II 30PK	841	Advantage 841	3500 K	82	2800 lm	2950 lm
927853085001	F32T8/ADV850/2XL/ALTO II 30PK	850	Advantage 850	5000 K	82	2710 lm	2850 lm
927853283101	F32T8/ADV830/2XL/ALTO II 28W 30PK	830	Advantage 830	3000 K	85	2570 lm	2650 lm
927853283601	F32T8/ADV835/2XL/ALTO II 28W 30PK	835	Advantage 835	3500 K	84	2570 lm	2650 lm
927853284201	F32T8/ADV841/2XL/ALTO II 28W 30PK	841	Advantage 841	4100 K	82	2570 lm	2650 lm
927853285001	F32T8/ADV850/2XL/ALTO II 28W 30PK	850	Advantage 850	5000 K	82	2520 lm	2600 lm
927853483101	F32T8/ADV830/2XL/ALTO II 25W 30PK	830	Advantage 830	3000 K	85	2330 lm	2400 lm
927853483601	F32T8/ADV835/2XL/ALTO II 25W 30PK	835	Advantage 835	3500 K	84	2330 lm	2400 lm
927853484201	F32T8/ADV841/2XL/ALTO II 25W 30PK	841	Advantage 841	4100 K	82	2330 lm	2400 lm
927853485001	F32T8/ADV850/2XL/ALTO II 25W 30PK	850	Advantage 850	5000 K	82	2280 lm	2350 lm

